



COMMONWEALTH BUREAU OF CENSUS AND STATISTICS

SIXTH FLOOR
PRUDENTIAL BUILDING
195 NORTH TERRACE
ADELAIDE

FACTORIES

SOUTH AUSTRALIA

YEAR 1962-63

SCOPE

This bulletin summarizes information relating to factory operations compiled annually and shows either in total or by class of factory details of: number of factories; number of persons employed; salaries and wages paid; value of land, buildings, plant, and machinery; value of materials used; value of power and fuel used; value of production; value of output; capacity of engines used.

DEFINITIONS

For the purpose of this collection a factory is defined as an establishment in which four or more persons are employed or where power driven machinery is used in any manufacturing, repairing, or assembling process.

The figures relating to employment include proprietors who work in their own businesses but exclude those persons engaged in selling or distribution.

Value of output is the value of the goods manufactured and includes bounty and subsidy payments and amounts received for repair work and work done on commission; it excludes excise duties and all delivery costs and charges.

Value of production is the value added to raw materials by the process of manufacture and is calculated by deducting from the value of output the value of materials used, power and fuel consumed, tools replaced, containers, and repairs to plant and buildings.

Value of land and buildings and value of plant and machinery include estimated amounts for rented premises and plant.

FACTORY OPERATIONS SUMMARY

The number of factories for which details of operation during 1962-63 are included in this bulletin is 5,766, the number for 1961-62 being 5,519.

Average employment in factories during the year increased from 99,094 in 1961-62 to 105,265 in 1962-63, an increase of 6.2 per cent.

Employment at 30th June, 1963 totalled 107,050. This was 4,725 greater than the total of 102,325 persons employed at 30th June, 1962 and 12,032 more than the total employment of 95,018 persons at 30th June, 1961.

The value of production rose from £173,914,000 in 1961-62 to £189,571,000 in 1962-63, an increase of 9.0 per cent compared with increases of 2.3 per cent, 4.3 per cent and 16.6 per cent for 1961-62, 1960-61 and 1959-60 respectively.

The value of land and buildings increased by 8.3 per cent to £106,482,000 and the value of plant and machinery by 16.0 per cent to £146,804,000.

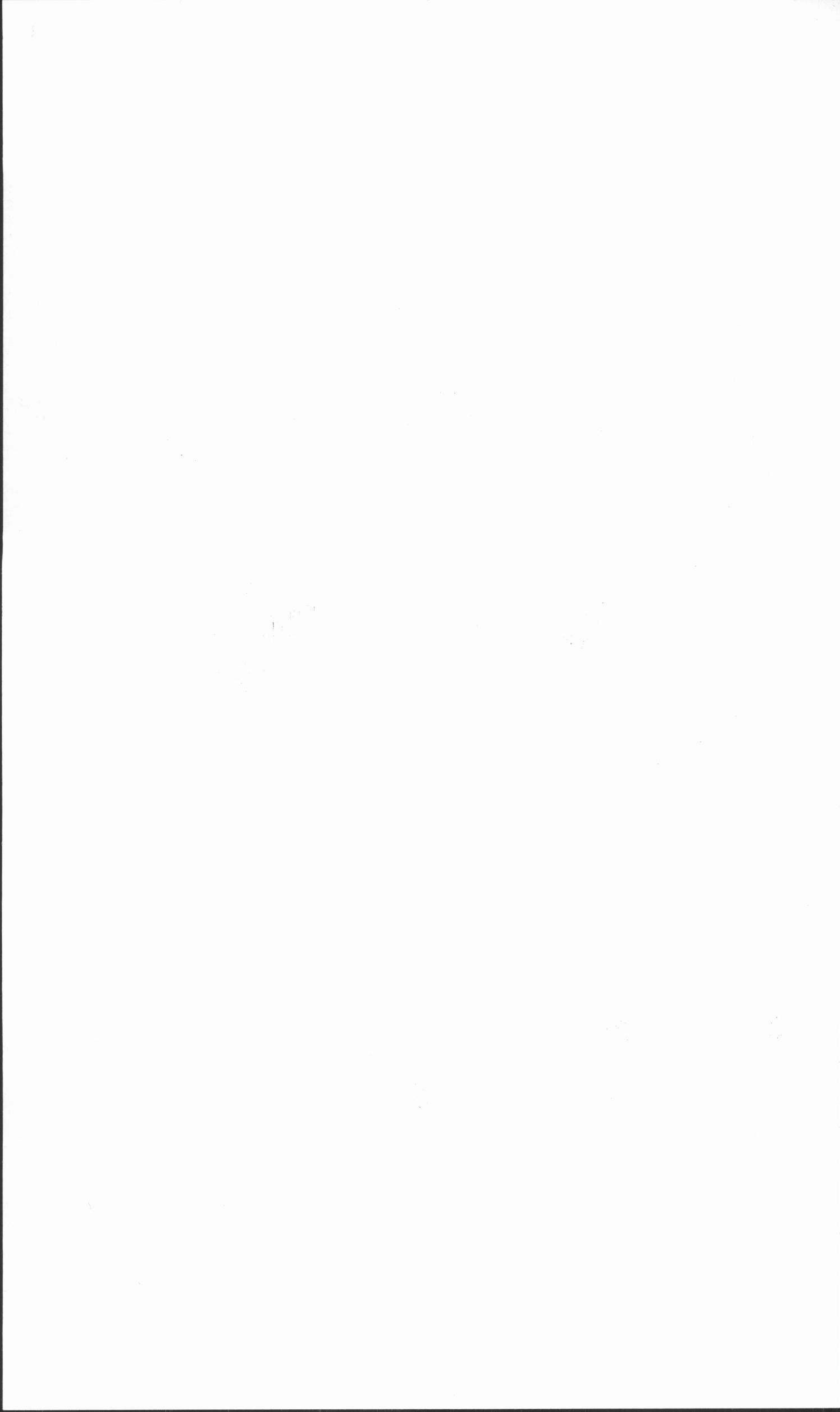


TABLE 1 - FACTORY OPERATIONS, INDUSTRIAL CLASSES, SOUTH AUSTRALIA, 1962-63

Industrial Class	Number of Establishments	Employment (a)		Value of -						
		Males	Females	Salaries and Wages Paid (b)	Power, Fuel, etc. Used	Other Costs of Production (c)	Production	Output	Land and Buildings	Plant and Machinery
Number									£'000	
Treatment of non-metal mine products	182	2,153	129	2,677	1,052	6,733	7,364	15,149	3,493	7,305
Bricks, pottery, glass, etc.	80	2,050	175	2,530	728	3,052	4,849	8,629	1,963	1,839
Chemicals, dyes, paints, etc.	97	2,482	462	3,465	1,095	14,330	10,347	25,772	4,820	18,312
Metals, machines, conveyances -										
Plant, equipment, and machinery	256	9,016	1,717	11,463	707	23,269	17,900	41,876	8,110	5,370
Electrical engineering etc. (inc. wireless etc.)	183	3,003	1,697	4,627	183	7,763	8,184	16,130	3,725	1,557
Other engineering	233	4,506	277	5,209	124	5,771	7,663	13,558	4,235	3,970
Construction & repair of vehicles -										
Tramcars and railway rolling-stock	13	3,735	62	4,035	114	2,808	5,018	7,940	1,839	2,538
Motor vehicle repairs	1,342	6,058	684	5,433	170	6,924	8,767	15,861	8,837	1,716
Motor bodies	275	12,466	606	17,539	741	43,444	21,601	65,786	9,044	11,481
Other (inc. ships and boats)	130	3,810	307	4,730	156	5,626	6,976	12,758	2,322	1,519
Sheet metal working etc.	130	2,508	572	3,059	186	6,377	5,285	11,848	2,851	1,818
Pipes, tubes, etc. (ferrous)	8	2,029	180	2,837	311	5,910	4,825	11,046	1,776	1,802
Total metals, machines, etc.	2,781	53,643	6,827	67,030	5,773	134,181	101,791	241,745	50,714	53,815
Textiles etc. (not dress)	58	1,242	1,291	2,178	218	4,789	3,848	8,855	1,872	2,019
Skins and leather	40	1,003	161	1,180	148	6,849	1,721	8,718	720	429
Clothing (except knitted)	594	1,790	3,308	3,299	151	3,755	5,507	9,413	3,382	1,308
Food, drink, and tobacco	744	7,868	3,373	10,397	1,456	46,592	20,701	68,749	15,339	12,191
Sawmills, joinery, etc.	409	4,922	389	4,925	369	12,550	8,453	21,372	4,020	4,151
Furniture of wood, bedding, etc.	218	1,737	454	1,765	47	3,754	3,261	7,062	1,719	569
Paper, stationery, printing, etc.	197	3,679	1,189	5,168	525	8,200	9,656	18,381	5,868	8,359
Rubber	57	949	199	1,452	169	2,273	2,789	5,231	1,355	678
Heat, light, and power	33	1,929	34	2,493	4,204	2,029	6,379	12,612	9,552	34,943
Other	276	1,208	619	1,474	101	2,343	2,905	5,349	1,665	886
Total	5,766	86,655	18,610	110,033	16,036	251,430	189,571	457,037	106,482	146,804

(a) Average employment over whole year, including working proprietors.

(b) Excludes drawings of working proprietors.

(c) Materials used, containers, tools replaced, and repairs to plant and buildings.

TABLE 2 - FACTORY OPERATIONS, SOUTH AUSTRALIA

Particulars	1958-59	1959-60	1960-61	1961-62	1962-63
Number of establishments	4,235	4,684	5,042	5,519	5,766
Employment (a) -					
Males	77,427	81,312	81,898	81,803	86,655
Females	16,738	17,706	18,057	17,291	18,610
Salaries and wages paid (£'000) (b) -					
Males	74,268	85,333	88,622	89,385	98,911
Females	8,877	9,905	10,360	10,146	11,123
Salaries etc. per employee (£) (b) -					
Males	992	1,088	1,125	1,093	1,141
Female	543	576	592	587	598
Value of (£'000) -					
Power, fuel, light, etc. used	14,590	15,033	15,184	15,323	16,036
Other costs of production (c)	188,358	207,630	216,382	212,561	251,430
Production	139,810	162,974	170,062	173,914	189,571
Output	342,757	385,702	401,628	401,797	457,037
Land and buildings	66,278	77,632	87,729	98,297	106,482
Plant and machinery	84,749	98,241	113,100	126,503	146,804

(a) Average employment over whole year, including working proprietors.

(b) Excludes drawings of working proprietors.

(c) Materials used, containers, tools replaced, and repairs to plant & buildings.

SIZE OF FACTORIES

Table No. 3 shows factories classified by the average number of persons employed. In each of the three years 1959-60, 1960-61 and 1961-62 the coverage of the collection was improved by the inclusion of a number of small firms which are not liable to register as factories but which conform to the definition shown on page 1 of this bulletin.

TABLE 3 - CLASSIFICATION OF FACTORIES BY NUMBER OF PERSONS EMPLOYED, SOUTH AUSTRALIA

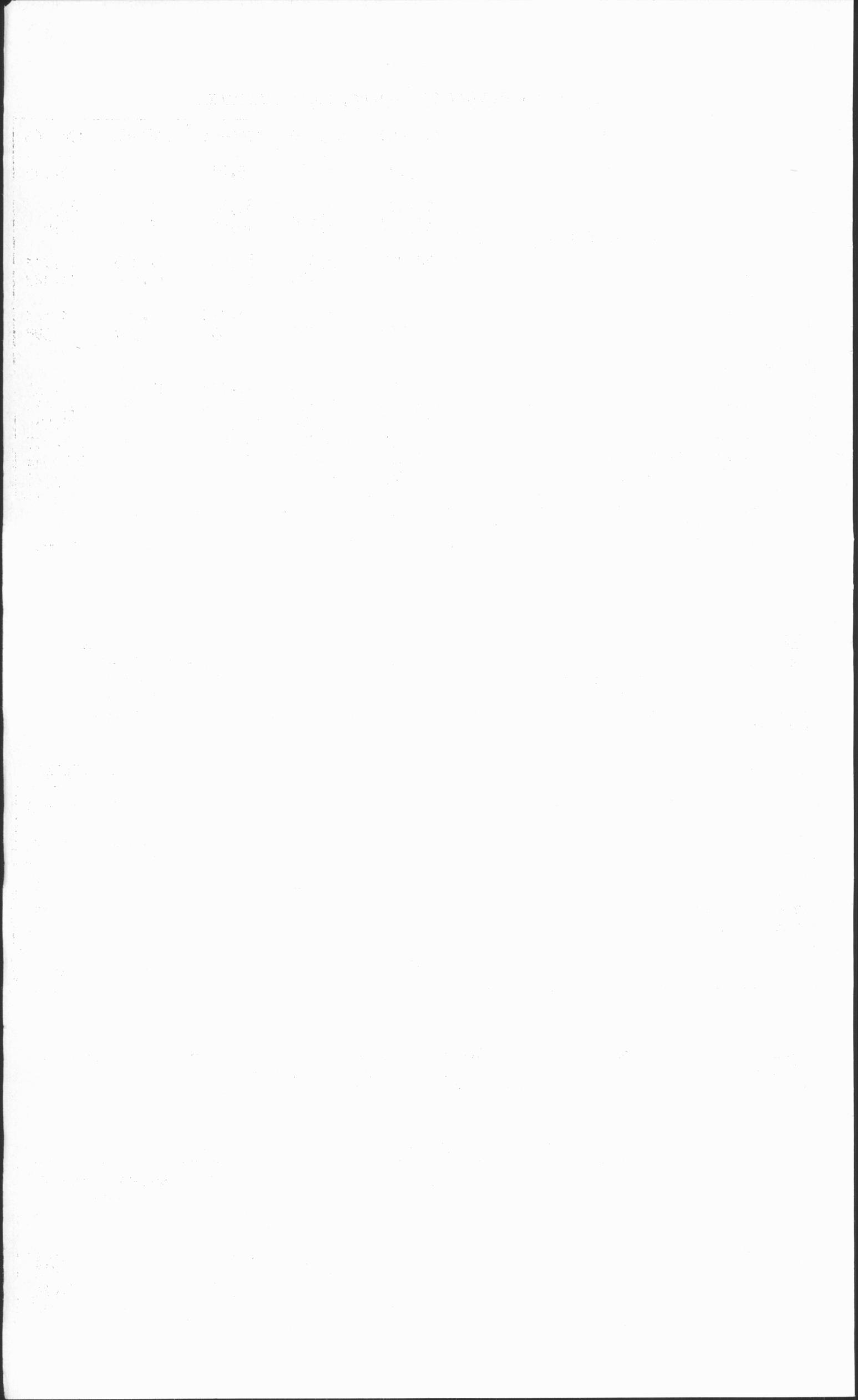
Number of Employees	1958-59	1959-60	1960-61	1961-62	1962-63
Under 4	1,443	1,837	2,125	2,543	2,674
From 4 to 10	1,534	1,548	1,612	1,641	1,719
From 11 to 20	582	592	587	589	621
From 21 to 50	390	415	419	434	429
From 51 to 100	155	154	159	169	171
Over 100	131	138	140	143	152
Total	4,235	4,684	5,042	5,519	5,766

CAPACITY OF ENGINES

For 1962-63 the rated capacity of electric motors used in factories increased by 31,000 h.p., the largest increases being in the Metals and machines class (10,000) and in the Paper, stationery and printing class (7,000).

TABLE 4 - CAPACITY OF ENGINES IN FACTORIES, SOUTH AUSTRALIA

Type of Engine	1958-59	1959-60	1960-61	1961-62	1962-63
Horse-power					
Steam	555,471	634,638	739,827	826,422	826,329
Electric	450,241	478,522	532,438	571,230	602,439
Oil	43,521	43,241	45,806	41,692	40,909
Gas	1,067	1,037	977	946	698



- 4 -

EMPLOYMENT

Table No. 5 shows employment in factories at 30th June. Average employment over the whole year is shown in Table No. 2.

TABLE 5 - EMPLOYMENT IN FACTORIES AT 30TH JUNE, SOUTH AUSTRALIA

Particulars	1958-59	1959-60	1960-61	1961-62	1962-63
Working proprietors -					
Males	2,581	2,896	3,138	3,417	3,426
Females	405	498	562	665	677
Wage and salary earners --					
Under 16 yrs -- Males	860	883	878	953	893
Females	829	883	804	993	872
16 - 20 yrs -- Males	6,374	7,106	7,214	7,898	8,816
Females	3,560	3,839	3,634	4,237	4,646
21 yrs and over - Males	68,524	71,567	67,536	72,124	75,237
Females	11,987	12,935	11,252	12,038	12,483
Total	95,120	100,607	95,018	102,325	107,050

POWER, FUEL,
MATERIALS,
ETC. USED

Tables No.6 and No.7 give details of power, fuel and materials used in Factories. Almost all of the Leigh Creek coal consumed was used in the generation of electricity.

TABLE 6 - POWER, FUEL, ETC. USED IN FACTORIES - SOUTH AUSTRALIA

Particulars	Unit	1958-59	1959-60	1960-61	1961-62	1962-63
Coal (a) - Leigh Creek	ton	650,690	676,719	958,709	1,264,002	1,382,095
Other	ton	628,475	738,026	572,494	417,790	419,714
Coke	ton	359,366	323,723	339,544	342,426	329,610
Wood	ton	198,374	215,327	229,477	224,771	249,124
Fuel oils (inc. tar fuel) (a)	ton	170,582	199,934	215,966	256,134	310,100
Gas	£'000	228	263	260	262	298
Electricity	£'000	3,713	4,062	4,330	4,375	4,985
Lubricating oils and water	£'000	634	728	791	789	856

(a) Includes quantities classified as materials used.

TABLE 7 - OTHER COSTS OF PRODUCTION IN FACTORIES, SOUTH AUSTRALIA

Particulars	1958-59	1959-60	1960-61	1961-62	1962-63
£'000					
Materials used	173,628	191,852	200,139	195,335	233,119
Containers	8,192	8,630	9,135	9,994	10,223
Tools replaced and repairs to plant and buildings	6,538	7,154	7,108	7,232	8,088
Total	188,358	207,636	216,382	212,561	251,430

1880-1881. 1881-1882. 1882-1883. 1883-1884. 1884-1885.

1885-1886. 1886-1887. 1887-1888. 1888-1889. 1889-1890.

1890-1891. 1891-1892. 1892-1893. 1893-1894. 1894-1895.

1895-1896. 1896-1897. 1897-1898. 1898-1899. 1899-1900.

1900-1901. 1901-1902. 1902-1903. 1903-1904. 1904-1905.

1905-1906. 1906-1907. 1907-1908. 1908-1909. 1909-1910.

1910-1911. 1911-1912. 1912-1913. 1913-1914. 1914-1915.

1915-1916. 1916-1917. 1917-1918. 1918-1919. 1919-1920.

1920-1921. 1921-1922. 1922-1923. 1923-1924. 1924-1925.

1925-1926. 1926-1927. 1927-1928. 1928-1929. 1929-1930.

1930-1931. 1931-1932. 1932-1933. 1933-1934. 1934-1935.

1935-1936. 1936-1937. 1937-1938. 1938-1939. 1939-1940.

1940-1941. 1941-1942. 1942-1943. 1943-1944. 1944-1945.

1945-1946. 1946-1947. 1947-1948. 1948-1949. 1949-1950.

1950-1951. 1951-1952. 1952-1953. 1953-1954. 1954-1955.

1955-1956. 1956-1957. 1957-1958. 1958-1959. 1959-1960.

VALUE OF
PRODUCTION

The value of factory production at £189,571,000 was £15,657,000 higher than for 1961-62, and increase of 9.0 per cent compared with increases of 2.3 per cent in 1961-62, 4.3 per cent in 1960-61 and 16.6 per cent in 1959-60.

TABLE 8 - VALUE OF FACTORY PRODUCTION, SOUTH AUSTRALIA

Industrial Class	1958-59	1959-60	1960-61	1961-62	1962-63
£'000					
Treatment of non-metal mine products	4,711	5,057	5,848	6,099	7,364
Bricks, pottery, glass, etc.	3,858	4,437	4,577	4,134	4,849
Chemicals, dyes, paints, etc.	8,771	8,958	8,992	8,982	10,347
Metals, machines, conveyances -					
Plant, equipment, and machinery	12,467	15,587	15,379	16,115	17,900
Electrical engineering etc. (a)	5,755	6,870	7,452	6,153	8,184
Other engineering	4,849	5,824	5,931	7,030	7,663
Construction & repair of vehicles -					
Tram cars and railway rolling-stock	4,463	4,570	4,654	4,719	5,018
Motor vehicle repairs	5,329	5,947	6,819	7,588	8,767
Motor bodies	14,693	18,139	18,239	16,639	21,601
Other (inc. ships and boats)	4,826	6,112	6,876	6,710	6,976
Sheet metal working etc.	4,370	5,045	4,941	4,618	5,285
Pipes, tubes, etc. (ferrous)	3,946	5,587	5,405	4,688	4,825
Total metals, machines, etc.	71,524	87,945	92,014	91,329	101,791
Textiles etc. (not dress)	3,682	3,756	3,861	3,988	3,848
Skins and leather	1,733	1,619	1,420	1,522	1,721
Clothing (except knitted)	4,744	5,066	5,290	5,291	5,507
Food, drink, and tobacco	16,013	17,921	18,081	21,087	20,701
Sawmills, joinery, etc.	7,057	7,977	7,720	8,600	8,453
Furniture of wood, bedding, etc.	2,508	2,884	3,029	3,085	3,261
Paper, stationery, printing, etc.	6,925	7,861	8,633	8,867	9,656
Rubber	2,157	2,547	2,741	2,542	2,789
Heat, light, and power	4,313	4,915	5,813	6,002	6,379
Other	1,814	2,031	2,043	2,386	2,905
Total	139,810	162,974	170,062	173,914	189,571

(a) Includes radio, television etc.

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DEPUTY COMMONWEALTH STATISTICIAN

Commonwealth Bureau of Census & Statistics,
ADELAIDE, S.A.
12th March 1964.

